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<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/697,338	NAGEL ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Tho G. Phan	2821	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--  
 All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to a response filed on 12/4/06.
2. ☒ The allowed claim(s) is/are 9-14, 16, 18, 20, 21 and 24-38.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
  1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

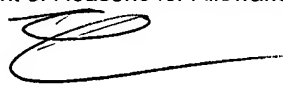
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948)</li> <li>3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br/>Paper No./Mail Date _____</li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit<br/>of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____</li> <li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____</li> </ol> |
|--|---|

  
 Tho G Phan  
 Primary Examiner  
 Art Unit: 2821

**DETAILED ACTION**  
**EXAMINER'S AMENDMENT**

An Examiner's Amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 C.F.R.

§ 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the Issue Fee.

**The application has been amended as follows:**

**In the claims:**

Claim 10, line 1, "Error! Reference source not found." has been changed to – 9--.

Claim 11, line 1, "Error! Reference source not found." has been changed to – 9--.

Claim 12, line 1, "Error! Reference source not found." has been changed to – 9--.

14. (currently amended): The antenna of claim [1] 13, wherein the antenna is vertically polarized.

Cancelled claim 17.

Claim 18, line 1, "Error! Reference source not found." has been changed to – 16--.

Claim 25, line 1, "Error! Reference source not found." has been changed to – 24--.

Claim 26, line 1, "Error! Reference source not found." has been changed to – 24--.

Claim 27, line 1, "Error! Reference source not found." has been changed to – 24--.

*Allowable Subject Matter*

1. The following is a statement of reasons for the indication of allowable subject matter: Claim 9 is allowable over the art of record because the prior art does not teach wherein the antenna further comprising dielectric material attached to the planar conductor; and wherein the dielectric material comprises a conductive polymer, and in combination with the remaining claimed limitations.
2. Claim 13 is allowable over the art of record because the prior art does not teach wherein the antenna further comprises integral electrostatic discharge protection, and in combination with the remaining claimed limitations.
3. Claim 16 is allowable over the art of record because the prior art does not teach wherein the planar conductor comprises a planar meander; and wherein the secondary planar conductor comprises a planar obround structure, and in combination with the remaining claimed limitations.
4. Claim 20 is allowable over the art of record because the prior art does not teach wherein the antenna comprises a mounting capable of being hand soldered into a personal computer board, and in combination with the remaining claimed limitations.
5. Claim 21 is allowable over the art of record because the prior art does not teach wherein the antenna comprises a mounting capable of being screwed into a personal computer board, and in combination with the remaining claimed limitations.
6. Claim 24 is allowable over the art of record because the prior art does not teach wherein the antenna is no more than eight tenths of an inch (0.8") in height; and wherein the radio frequency performance of the antenna at 2.440 gigahertz (GHz) is within three

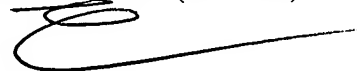
decibels (3db) of the radio frequency performance of a standard quarter wave isotropic antenna, and in combination with the remaining claimed limitations.

***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tho G. Phan whose telephone number is 571-272-1826. The examiner can normally be reached on M-F, 9:30-6:00.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Tho G Phan  
Primary Examiner  
Art Unit 2821